

AN EXHAUST GAS PURIFYING APPARATUS

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ABSTRACT OF THE DISCLOSURE

The present invention relates to an exhaust gas purifying apparatus, for trapping and burning PM, which comprises electrodes and an insulative honeycomb structure. The apparatus is characterized in that the electrodes make an electric field in the honeycomb structure, the electric field not being parallel with the cell passages of the honeycomb structure. Further the apparatus is characterized in that the electrodes make an electric field in the honeycomb structure, and that the honeycomb structure carries at least one metal selected from the group consisting of an alkali metal and an alkali earth metal; a material that generates oxygen radical by conducting an electric current therethrough; a manganese dioxide; and/or a material having a high dielectric constant.